

DEVICE AND SYSTEM FOR RECESSING A FASTENER ON A PRINTED WIRE BOARD

ABSTRACT OF THE INVENTION

5 A system and a device are provided for recessing a fastener on a printed wire board (PWB). The system includes a PWB having a fastener hole, a top surface, and a bottom surface. The system further ^{includes} ~~comprises~~ a recessed fastener adapter which includes a board interface for interfacing the adapter with the PWB at the fastener hole and a fastener head engaging surface for accepting and recessing a fastener head. The board interface is generally in the shape of a tube. The walls of the tube may be circular, curved or straight in a cross-section perpendicular to the long axis of the tube. The tube has an exterior surface, which is connected to the PWB at the fastener hole. The fastener head engaging surface is formed by a closed end on the tube having an opening or bore. In one version of the adapter, a flange extends radially outward from the exterior surface of the tube. To install the adapter, the flange upper surface (facing away from the closed end of the tube) is placed against the bottom surface of the PWB at a fastener hole. A solder bond can be used to connect the adapter to the PWB. An adhesive material is used if greater strength is needed. The fastener shaft passes through the opening in the closed end of the tube and the fastener head rests against the inside surface of the closed end of the tube.

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